

Application of Adsorption Chromatography in Work
with Ferrocene Derivatives

By A. N. Nesmeyanova, I. I. Kritskaya (p, 6)

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No. 10, 1962, pp. 1777-1782

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Aug. 63

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Addition of Benzenethiol to 2-Cyanovinyl
Ketones, by A. N. Nesmeyanov, I. V. Rybin,
3 pp.

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Nauk, No 8, 1961, pp 1451-1453.

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The Vapor Pressure of Thallium Determined by the Use of
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Neameynov, 3 pp.

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pp 159-161.

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*Synthesis of Anesthetics and the Induction and
Recovery Under Conditions of the Anesthetic Preparation
agent, by N. G. Verovlova, A. N. Nosnigulov, 4 pp.*

*ISSNAM, pub. by Akad. Nauk SSSR, Vol. CXIV/III, No 3,
1961, pp. 1115-1121.*

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Preparation of Some Chloro Fluoro Derivatives from
1,1,1,3-Tetrachloropropane, by A. M. Nesmeyanov, V. N.
Kost, pp 5

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No 3, 1960, pp 447-451.

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Reactions of o-Carboxybenzoylferrocene, by A. N.
Nesmeyanov, V. D. Vilkchevskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 2,
1961, pp 390-392.

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Sci 195,194
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Synthesis of ω,ω,ω' -Trichloroalkylamines and ω,ω' -Dichloroalkylamines, by A. N. Mesnayev, L. I. Zabarkin, R. Kh. Freidlina, 6 pp.

Full translation

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No 1, USSR, Jan/Feb 1974, pp 31-30. CIA D 151104

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CBS 66/Mar 95

2/8/82

Synthesis of Organomercury Compounds by α Reaction
of Organic Halogen Compounds With Mercury, by
O. A. Rerstov, A. N. Roman'yants, 8 pp.

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The Synthesis of 2-Alkynaphthio- and 2-Alkylbenzopyranyl Salts from β -Chlorovinylketones,
A. N. Nesmeyanov, N. K. Kochetkov, M. I.
Rydtinskaya, 4 pp.

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Nauk, No 3, May/Jun 1953, 1953, pp 479-483.

CIA C 6652

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Optically Active Organomercury Compounds.
Communication 1. Preparation of the Diasterio-
isomeric (1)-Menthyl Esters of (Bromomercuri)Phen-
ylacetic Acid, by A. N. Bannikov, O. A. Reutov,
S. S. Podshibys, 5 59.

RUSSIAN, bimo per, Iz Akad Nauk SSSR, Otdel Khim
Nauk, No 4, USSR, 1953, pp 619-634.

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Dec 54 CTS

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Nesmeyanov, A. N. and Kocheshkov, K. A.
SYNTHESIS OF METALLOORGANIC COMPOUNDS BY
METHOD OF DOUBLE DIAZONIUM SALTS. XVII.
SYNTHESIS OF TRIPHENYLLRAD BY THE AC-
TION OF METALLIC LEAD POWDER ON PHENYL-
DIAZONIUM BORON FLUORIDE. [1963] 5p. 10 refs.
Order from OTS or SLA \$1.10

63-16035

- 63-16035
1. Title: Phenyl diazonium
borofluoride
 2. Title: Tetraphenyllead
 1. Nesmeyanov, A. N.
 - II. Kocheshkov, K. A.
 - III. Title: Synthesis . . .

Transl. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1945, no. 5, p. 522-524.

DESCRIPTORS: *Phenyl radicals, *Lead compounds,
*Boron compounds, *Fluorides, Lead, Metal powders,
Azo radicals, *Metalorganic compounds, Synthesis
(Chemistry).

It is shown that through the decomposition of phenyl-
diazonium borofluoride with metallic lead powder
tetraphenyllead is obtained. (Author)
(Chemistry--Organic, ТГ, v. 10, no. 5)

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Splitting of Hydrogen Chloride From $\alpha_1\alpha_2\alpha_3\alpha_4$ -Tetra-chloroalkanes and $\alpha_1\alpha_2\alpha_3$ -Trichloroalkanes, by
L. N. Nesmeyanov, L. I. Zakharkin, 3 pp.

Full translation.

RUSSIAN, bimo per, In Akademiia SSSR, Otdel Nauk, No 6, USSR, Nov/Dec 1955, pp 908-950. CIA D 151103

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New Possibilities for the Synthesis of Organoantimony Compounds Through the Double Diazonium Salts of Antimony Trichloride, by A. N. Nesmeyanov, O. A. Reutov, O. A. Ptitsyn, 11 pp.

RUBJAN, thrice-mo per., Dok Ak Nauk SSSR, Vol XCVI, No 6, 1953, pp 1341-1344.

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Scientific - Chemistry

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CMB 65/Feb 1955

Synthesis of Aromatic Organometallic Compounds of
Bismuth Through Diazo Compounds, by N. N.
Mesmayunov, T. P. Tulstaya, L. S. Isayeva, 4 pp.

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1958, pp 614-617.

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Synthesis of Arylstibonic Acids via Double Salts of
Diazonium Salts and Antimony Pentachloride, by
A. N. Hesnayyanov, O. A. Routov, P. G. Knol, 6 pp.

Full translation.

RUESIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, USSR, May-Jun 1955, pp 416-417. CIA D 151316

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28, 756 CTS 68/May 55

Preparation of Unrasenyl- and Tetra-p-Tolyl-Lead
by the Decomposition of Arenodiazonium Fluoroborates
With Lead-Sodium Alloy, by A. N. Mezmayev,
DNEKh L. G. Makarova, 2 pp.

MEZMAY, bimo per, Is Ak Nauk SSSR, Otdel Khim
Nauk, No 2, 1954, pp 390. C.R.P. D 15/309

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Reactions of 3,3,3- and Trichloropropenes, by
N. Neimanov, L. I. Zakharkin, V. N. Kost,
pp. Freilina, 6 pp.

SSIAW, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
2, 1954, pp 258-265. CIA ID 151309

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Use of the Salt $(C_6H_5N_2Cl)_2 \cdot SbCl_3$ in the Double-Diazonium-Salt Method, by A. N. Nezvezynov, S. K. Gipp, L. G. Makarova, E. N. Mosgova, 4 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, Mar/Apr 1953, pp 298-302.

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Methods for the Preparation of Mixed Alkyl
Orthotitanates Having the Structures $(RO)_3TiOR'$

and $(RO)_2Ti(OR')_2$, by A. N. Nesmeyanov, O.V.
Nogina, 4 pp.

Full translation

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Absorption Spectra of Pyriliun Salts, by A. N.
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Kudryavtseva, 10 pp.

MOSCOW, VINITI P 12, Izd. Akad. Nauk SSSR, Otdel Khim. Nauk,
No 5, Sep-Oct 1954, pp 784-795. CIA C 39501

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Synthesis of Sulfur-Containing Polyhalo Compounds
of M_1 , M_2 -Thiodicarboxylic Acids, by A. N.
~~Nedospashev~~, L. I. Zakharkin, N. G. Petrova, 4 pp.

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Rearrangement of 2-Phenoxyvinyl Ketones, by A. N.
Yefimov, N. K. Kochetkov, M. I. Rybinskaya, 7 pp.

Full translation.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, USSR, May-Jun 1954, pp 415-426. CIA D 151316

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Scientific - Chemistry

CIS 68/May 53

28757

Derivatives of Unsaturated Phosphonic Acids. Communication 2. β -Alkoxy(phenoxy)vinylthiophosphonyl and β -Arylvinylothiophosphonyl Chlorides, by K. N. Anisimov, N. E. Kolobova, A. N. Nemtseyanov, 4 pp.

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Derivatives of Unsaturated Phosphonic Acids.
Communication 5. Esters of 2-Ethoxy-, 2-Propoxy-,
2-Butoxy-, and 2-Ethoxycarbonylphosphonic Acids, by
N. E. Kolobova, A. N. Besmeyanov, 8 pp.
K. N. Andrianov,
Full translation.

RUSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
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Intramolecular Acylation in the Ferrocene Series,
by A. N. Nesmeyanov, N. A. Vol'kenshau, V. D. Vil'movskaya, 6 pp.

Pull tr

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ATIC F-28-9263/III

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Distrubuting of the First Artificial Satellites, by
A. N. Nekrasov, 6 pp.

Russiam, pax, Vest Ak Nauk SSSR, Vol XXVIII,
No 1, 1958, pp 5-7. C.I.A. 43-12387

ABC 3449

Ref. - Space Res

Jan 59

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Derivatives of Unsaturated Phosphonic Acids. Commun.
cation 16. Diesters of 2-Isopropylphosphonic Acid, by
K. N. Anissimov, A. N. Nevezynov, 4 pp.

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reel 3.

Sci - Chemistry

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Aug 1956

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Chlorination and Dehydrochlorination of Polychloro Compounds Containing Reactive Groups, by R. Kh. Freidlina, V. N. Kost, A. N. Nemtseyanov, 6 pp.

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Trialkoxytitaniums and Dialkoxytitanium Oxides, by
A. N. Semeyanov, et al.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCV,
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(1717-8)

Introductory Speech of Academician A. N. Nesmeyanov,
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JTR-1279-8

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Mar 59

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Synthesis of Sodium Tetraphenylbarium, by A. H. Negayan-
anov, V. A. Sazonova, 1 p.

Full translation.

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No 1, Jan/Feb 1955, p 187. CIA D 151241

192. Consultante Bureau

Scientific - Chemistry

24 497

Jun 55

Nesmeyanov, A. N., Freydina, R. Kh., and
Belyavskiy, A. V.
TELOMERIZATION OF ETHYLENE WITH TETRA-
CHLOROETHYLENE. [1960] 4p. 4 refs.
Order from LC or SLA m\$1.80, ph\$1.80 61-10640

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1958,
v. 122, no. 5; p. 821-824.

Tetrachloroethylene (1000ml) and water (500 ml) were placed in a rocking autoclave of stainless steel with a volume of 2700 ml. Ethylene was introduced at 50 atm and the mixture was heated at 140°C. Over a period of 15 hr, a total of 1.2 g of t-butyl peroxide in 200 ml of tetrachloroethylene was added at the rate of 20 ml every 1.5 hr. The mixture obtained was fractionated and the individual tetrachloroalkenes were determined. Reactions of tetrachloroalkenes ($n = 2, 3$) with diethylamine produced diethylamino compounds of the structure $(C_2Cl_3)_2N(CH_2CH_2)_nOC_2$. Reactions of the diethylamino compounds with metallic sodium gave (Chemistry - Organic, TT, v. 5, no. 9) (over)

61-10640

1. Vinyl chlorides -- Polymerization
2. Ethylenes -- Polymerization
3. Title: Telomerization

- I. Nesmeyanov, A. N.
- II. Freydina, R. Kh
- III. Belyavskiy, A. V.

Office of Technical Services

(NY-3d07).

First All-Union Conference of Higher Educational Institutions on Radiochemistry of the USSR, by A. V. Lapitskiy, An. N. Nesmeyanov, 8 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chit i Khim Tekh, Vol II, No 6, 1959, pp 974-977.

JPRS 2807

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Sci. & Chem
Jun 50

Derivatives of Unsaturated Phosphonic Acids. Communication 3. β -Alkoxyethoxyvinylphosphonyl and β -Alkoxyethoxyvinylthiophosphonyl Chlorides, by K. N. Anisimov, N. I. Kolobova, A. N. Netmeyanov, 4 pp.

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No 5, Sep-Oct 1954, pp 799-802, CIA C 39501

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Nov 55 CTB/DEX

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Reactivities of 1-Mono- and 1,1'-Bis-p-nitrophenylferrocene and of 1,1'-Diacetylferrocene, by A. N. Bezymenov, E. G. Pechalova, R. V. Golofizya, N. A. Gunkova, O. V. Starovskiy, 3 pp.

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May 59

88, 111

Intramolecular Acylation in the Ferrocene Series.
Cyclisation of γ -Ferrocenyl-Substituted Acids
and Keto Acids, by A. N. Bogolyubov, N. A.
Vol'kanov, V. D. Vil'chinskaya, 4 pp.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol CXVIII,
No 3, 1958, pp 512-514.

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Junc 59

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The Reaction of α -Cyanovinyl Iactones with Secondary Amines, by A. N. Banasyanov, M. I. Rybinskaya, 4 pp.

RUSSIAN, ref., Dok Ak Nauk SSSR, Vol. CXX, No 4, 1958,
pp 793-796.

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Jun 59

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Compensation of ferrocene with Aldehydes, by A. N.
Kondratenko, I. I. Kritskaya, 2 pp.

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No 2, 1956, pp253-257 CIA 55-950 C, Ref ID No 16

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Sup 96 CIB/dec

38,451

Derivatives of Unsaturated Phosphonic Acids.
Communication 11. Diesters of 2-(2-Alkoxyethoxy)
Vinylphosphonic Acids, by K. N. Anisimov, N. E.
Kholobova, A. N. Nesmeyanov, 6 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No. 8, Sep/Oct 1955, pp 827-833.
CIA 542763-C, reel 3

37,924
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Sci. - Chemistry

Aug 56

Derivatives of Unsaturated Phosphonic Acids. Communication 18. 2-(Alkylthio) Vinylphosphonic Dichlorides and Their Derivatives, by K. N. Anisimov, N. E. Kolobova, A. N. Noskov, 4 pp.

RUSSIAN, bmo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1, Jan/Feb 1956, pp 23-26. CIA 542767 C, Reel 3.

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Aug 1956

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Measurements of the Vapor Pressure of Solid
Chromium by Means of Radioactive Indicators.
by A.M. Nefaneyanov, De Dyk Man, 4pp.

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Apr 61

The Measurement of the Vapor Pressures of the Solid
Solutions Au⁷⁴Ag and Au-Cu, by An. N. Nesmeyanov,
L. A. Smakhtin, V. I. Lebedev, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXII,
No 4, Jan/Feb 1957, pp 700-702.

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Sci - Chemistry
Dec 57

Some Reactions of Alkyl 2-Phenoxyvinyl Ketones,
by A. N. Besmeyanov, N. K. Kochetkov, M. I.
Rybinskaya, E. V. Uglova, 6 pp.

Full translation.

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Jul/Aug 1955, pp 649-656. CIA C 41476

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Mar 56 CTS/dex

Reaction of Alkyl Orthotitanates With Titanium
Tetrachloride in a Piperidine Medium, by A. N.
Mesmayanov, R. Kh. Fr^ollina, E. M. Brainina,
4 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Nauk, No 6, 1954, pp 987-991. CIA C 41022

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Investigation of the Products of the Addition
of Mercury Salts to Disubstituted Acetylenes,
by A. E. Borisov, V. D. Vilchevskaya, A. N.
Nevezinov. 7 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 1088-1092. CIA C 41022
/00 g-11 18

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Scientific - Chemistry
Mar 56 CTS/dex

Synthesis of Stereocisomeric Organomercury Compounds
via Organolithium Compounds, by A. N. Nesmeyanov,
A. E. Borisev, N. A. Volkenau, 2 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 992-1001. CIA C 41022

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Mar 56 CMS/dex

Derivatives of Unsaturated Phosphonic Acids. Communi-
cation 6. Diesters of 2-Isopropoxy-, 2-Izobutoxy-, and
2-Isopentyl oxy-Vinylphosphonic Acids, by K. N. Anisimov,
R. E. Kolotova, A. N. Nesmeyanov, 6 pp.

RUSSIAN, biling par, Iz Ak Nauk SSSR, Otdel. Khim. Nauk,
No 3, May-Jun 1955, pp 425-431. CIA C 39502

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Nov 55 CDS/DEX

Reactions of 1,1'-Dimethylferrocene, by A. N.
Nikogosyan, M. G. Parshalova, N. A. Zaitsevich and
T. L. Malysheva, 4 pp.

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1958, pp 1263-1266.

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June 59

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Mono- η -cyclopentadienyl Derivatives of Titanium,
by A. N. Nesmeyanov, D. V. Nogina, A. M. Berlin,
Lpp.

RUDIS I.M.N., per. Is Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1961, pp 804-807

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Mag 62

Derivatives of Unsaturated Vinyl Phosphonic Acids,
Communication 13. Members of 2-(2-Alkoxethoxy)
Vinylphosphono-Nono-, -Di-, and -Tri-Thioic Acids,
by K. N. Anisimov, N. E. Kolobova, A. N. Beusyanov,
4 pp.

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Sci - Chemistry

Aug 1956

Derivatives of Unsaturated Phosphonic Acids.
Communication 10. Diesters of 2-Alkoxy- and 2-
Phenoxy-Vinylphosphonodithioic and of 2-Alkoxy-
and 2-Phenoxy-Vinylphosphonotriethioic Acids, by K. N.
Anisimov, N. B. Kolobova, A. N. Esmeyanov, 4 pp.

RUSSTAN, zhino per, Iz Ak Nauk SSSR, Otdel. Khim
Nauk, No 46, Sep/Okt 1955, pp 829-826.
CIA 542703-C, reel 3

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Properties of Argutinated Phosphonic Acids.
Continuation 9. Dicesters of 2-Alkylaryl Phosphoryl Vinylphosphonothionic Acids, by N. N.
Ardalnov, N. E. Kolobova, A. N. Remezayev,
S. P.

Full Information.

RUS800, micro per, No. 48 Rank, Obshch Khim. Zhurn.,
No. 1, July 1955, pp. 669-676. CIA C 42476

Consultative Panel:

Editorial Board - Chemistry 32, 616
Mar 10 1975/68C

V
Reaction of Alkyl 2-Chlorovinyl Ketones with
Ethyl Acetoacetate, by N. K. Kochetkov, I. I.
Kudryashov, A. N. Nesmeyanov, 6 pp.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No. 6, Sep/Oct 1955, pp 809-816.
CIA 542763-C, reel 3

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Aug 56

Synthesis of Arylpyrazoles, by N. K. Kochetkov,
E. D. Korostova, O. B. Minbaileva, A. N.
Nekrasov, 5 pp.

ESSYAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 10, 1957, pp 1181-1185.

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May 99

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Synthesis and Properties of Trichloromethyl - and
3,3-Dichlorallylmercury Compounds, by A. N. Nemoy,
I. P. Kh. Prudilina, P. K. Velichko, 5 pp.

RUSSIAN, per, Iz Ak. Nauk SSSR, Otdel Khim Nauk,
No 1, 1958, pp 40-45-46

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Sci - Chem

May 59

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V
Derivatives of Unsaturated Phosphonic Acids.
Communication 12. Bis dialkylamides of 2-(2-Alkoxyethoxy)vinylphosphonic Acids, by K. N. Anisimov, N. E. Kolobova, A. N. Nesmeyanov, 4 pp.

RUSSIAN, himo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No. 6, Sep/Oct 1955, pp 934-937.

CIA 542763-C, reel 3

57, 926
Consultants Bureau

Sci - Chemistry

Aug 56

Nesmuyanov, A. N. and Vol'kenau, N. A.
SOME CHROMIUM ALLEN CARBONYLS. 12 Dec 61, 5p.
(some formulas omitted) 10 refs.
Order from DTIS or GSA \$1.10

63-14084

Trans. of [Vestn. emil's. Nauk SSSR. Otdelenie] Khim[ichekikh] Nauk, 1961 [no. 2] p. 357-366.

DESCRIPTORS: *Chromium compounds, *Carbonyl
radicals, *Benzene, *Methanes, *Stilbenes, *Azides,
*Phenyl radicals, Chemical properties, Physical
properties, Complex compounds.

As a reaction of chromium hexacarbonyl with diphenyl
methane, trans-stilbene and 5,12-dihydrotetrazene
were obtained diphenyl methane chromium tricarbonyl,
stilbene chromium tricarbonyl and 5,12-dihydrotetra-
zene chromium tricarbonyl. Toluene, on reaction with
 $\text{Cr}(\text{CO})_6$, forms hexaphenyl benzol. Tetrazene does not
react with $\text{Cr}(\text{CO})_6$. In no case was bis-(chromium tri-
carbonyl) obtained. (Author)

63-14084

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